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RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/501,442
Source: PCT
Date Processed by STIC: 01/11/2006

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PCT

RAW SEQUENCE LISTING

DATE: 01/11/2006

PATENT APPLICATION: US/10/501,442

TIME: 14:15:33

Input Set : E:\56446-20096.40 (840WO1) SEQ LISTING.txt
 Output Set: N:\CRF4\01112006\J501442.raw

4 <110> APPLICANT: Diversa Corporation
 5 Kerovuo, Janne
 6 Solbak, Arne
 7 Gray, Kevin
 8 McCann, Ryan
 9 Purohit, Shalaka
 10 Gerendash, Joel
 11 Janssen, Giselle
 12 Dahod, Samun
 15 <120> TITLE OF INVENTION: PECTATE LYASES, NUCLEIC ACIDS ENCODING
 16 THEM AND METHODS FOR MAKING AND USING THEM
 19 <130> FILE REFERENCE: 564462009640
 C--> 21 <140> CURRENT APPLICATION NUMBER: US/10/501,442
 C--> 22 <141> CURRENT FILING DATE: 2004-07-13
 24 <150> PRIOR APPLICATION NUMBER: 60/460,842
 25 <151> PRIOR FILING DATE: 2003-04-04
 27 <150> PRIOR APPLICATION NUMBER: 60/484,798
 28 <151> PRIOR FILING DATE: 2003-07-03
 30 <160> NUMBER OF SEQ ID NOS: 134
 32 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 34 <210> SEQ ID NO: 1
 35 <211> LENGTH: 1917
 36 <212> TYPE: DNA
 37 <213> ORGANISM: Unknown
 39 <220> FEATURE:
 40 <223> OTHER INFORMATION: Obtained from an environmental sample
 42 <400> SEQUENCE: 1
 43 gtgtctctct ttagaaaact cgcaactgctg gttctgtgcg gtctactgct ttctgtcgga 60
 44 gcagaaaccc gagcgtcgaa gcbaattgtc gtggccgctg atggatcggt tgacgtcagg 120
 45 acaaattcaac aagcggtgga ccaggttccc aaagacaata cacaccggc cttgattcag 180
 46 atcaaaccgg gtgtgtatca ggaacaggtg cgtgtcgccg ccggcaaacg ctttatcact 240
 47 tttcgccgca acgatgcgag caagaccgtc atcacctatc gattgagcgc actgcaagcg 300
 48 gaaataccccc ggctggcatt caccacccccc gttaatgcag acgactttcg cgccgagaac 360
 49 ctgacgtttg aaaactccctt cggcaccgggt tcacaagcgg ttgtttttt tgtcgatgcg 420
 50 gaccgcccga cgtttgaaaa ctggccgttcc ctcgggtggc aggacacttt gtttgcgaa 480
 51 ggcagccgccc acttcttcaa agactgctac gtcgaaggcc acgtcgattt cattttcgcc 540
 52 acggcctccg ccgtgtttga gaactgcacc attcacagca aaggcgaagg ttatgtgacc 600
 53 gcacactatc gcaccagcga tgagatggat accggtttg tctttcatcg ttgtcgtttg 660
 54 accggacgag acacggcccg cggagtttat ctcggaaaggc cttggcgcacc ttacgcgcgc 720
 55 gtcgtcttta tcgattgtcg gctggacgca cacatcagac ctgaaggctg ggataattgg 780
 56 agagatcctg aacgagagaa gaccgcgtgg tttgccgagt acaagtcaaa agggcccggt 840
 57 gctaatcccg tagctcgtgt cgctgggtcc aggcaaggta cgacagaaca agccgcccggag 900
 58 ttttcgcggg aacgctttt cagccgcgcgt gttcgcgggc tctctggca ggccaaccag 960

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59	gcagtccgaa	cgatcgctg	ggacgatgcg	cagaaaaaac	cgaacgagtg	gtatgcgagc	1020									
60	cccgaggcgt	tgcgcattgc	cgacaacgtt	gttcttatac	aacgtgactc	cgccgggttgg	1080									
61	cccaagaaca	tcgacatggg	gaagccgctc	gacgaaaagg	gtcgagccgg	tcttctgcgc	1140									
62	gtgcgttaaga	agaacgattc	cacgatcgac	aatggcgca	cttacacgca	actctcggtt	1200									
63	ctggcgccgg	tttacacggc	gcaaaaagcg	gagcggcatc	gcgagtcgtt	tctgaaggga	1260									
64	ctcgattacc	tgttgaaggc	gcagtatcca	aacggaggct	ggccgcagg	ctatccaaac	1320									
65	ctaaacggct	attacaaaca	catcaattc	aacgacaacg	ccatgatcg	cgtgatgaaa	1380									
66	ctgctgcgcg	acgtacgcac	agcgaaaccg	gcgtatgcgt	tcgtcgacga	agcacgacgg	1440									
67	acgagtgcgg	cgaaggcggt	cgaaaaagga	atcgagtgc	tactgaagac	gcaggtggtt	1500									
68	gtaatggcc	ggcgcaccgt	gtgggtgtgc	caacatgacg	aagtacacgt	cgccgcctgcc	1560									
69	ccggcgagga	cgtttgaatt	agtttcgtctg	agtgggtgt	aaagcgttga	gatcggtgcgc	1620									
70	tttttgcgtt	cgatcaagaa	cccgctgcgg	gcccgtgtcg	aggcgatcga	gtcggcggtt	1680									
71	gcgtgggtcg	agcaatcgca	atgaaagat	cccgccggca	aacctgcgtg	ggcgcgattt	1740									
72	tatgagatcg	gcactaatcg	tccgatctc	gccggcgtg	acggcgtcg	taagtatgtat	1800									
73	gtgaaacaga	tcgatgagga	acgacgaaag	aattacgc	gttacgttga	cgacgcagcg	1860									
74	aaactactga	aaaccgacta	tcctgagtgg	aaagaaaaga	acgccaaaga	tcaatga	1917									
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77	<211> LENGTH: 638															
78	<212> TYPE: PRT															
79	<213> ORGANISM: Unknown															
81	<220> FEATURE:															
82	<223> OTHER INFORMATION: Obtained from an environmental sample															
W--> 84	<221> NAME/KEY: SIGNAL															
85	<222> LOCATION: (1) ... (21)															
W--> 87	<221> DOMAIN															
88	<222> LOCATION: (28) ... (308)															
89	<223> OTHER INFORMATION: Pectin methyl esterase domain															
W--> 91	<221> DOMAIN															
92	<222> LOCATION: (309) ... (638)															
93	<223> OTHER INFORMATION: Catalytic domain															
W--> 95	<400> 2															
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97	1			5			10			15						
98	Leu	Ser	Val	Gly	Ala	Glu	Thr	Arg	Ala	Ser	Lys	Arg	Ile	Val	Val	Ala
99			20			25			30							
100	Ala	Asp	Gly	Ser	Gly	Asp	Val	Arg	Thr	Ile	Gln	Gln	Ala	Val	Asp	Gln
101		35			40				45							
102	Val	Pro	Lys	Asp	Asn	Thr	His	Pro	Val	Leu	Ile	Gln	Ile	Lys	Pro	Gly
103		50			55			60								
104	Val	Tyr	Gln	Glu	Gln	Val	Arg	Val	Ala	Ala	Gly	Lys	Arg	Phe	Ile	Thr
105	65		70			75			80							
106	Phe	Arg	Gly	Asp	Asp	Ala	Ser	Lys	Thr	Val	Ile	Thr	Tyr	Arg	Leu	Ser
107		85			90			95								
108	Ala	Leu	Gln	Ala	Gly	Asn	Thr	Arg	Leu	Ala	Phe	Thr	Phe	Val	Asn	
109		100			105			110								
110	Ala	Asp	Asp	Phe	Arg	Ala	Glu	Asn	Leu	Thr	Phe	Glu	Asn	Ser	Phe	Gly
111		115		120		125										
112	Thr	Gly	Ser	Gln	Ala	Val	Ala	Leu	Phe	Val	Asp	Ala	Asp	Arg	Ala	Thr
113		130			135			140								

RAW SEQUENCE LISTING
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Input Set : E:\56446-20096.40 (840WO1) SEQ LISTING.txt
Output Set: N:\CRF4\01112006\J501442.raw

114 Phe Glu Asn Cys Arg Phe Leu Gly Trp Gln Asp Thr Leu Phe Val Asn
115 145 150 155 160
116 Gly Ser Arg His Phe Phe Lys Asp Cys Tyr Val Glu Gly His Val Asp
117 165 170 175
118 Phe Ile Phe Gly Thr Ala Ser Ala Val Phe Glu Asn Cys Thr Ile His
119 180 185 190
120 Ser Lys Gly Glu Gly Tyr Val Thr Ala His Tyr Arg Thr Ser Asp Glu
121 195 200 205
122 Met Asp Thr Gly Phe Val Phe His Arg Cys Arg Leu Thr Gly Arg Asp
123 210 215 220
124 Thr Gly Arg Gly Val Tyr Leu Gly Arg Pro Trp Arg Pro Tyr Ala Arg
125 225 230 235 240
126 Val Val Phe Ile Asp Cys Trp Leu Asp Ala His Ile Arg Pro Glu Gly
127 245 250 255
128 Trp Asp Asn Trp Arg Asp Pro Glu Arg Glu Lys Thr Ala Trp Phe Ala
129 260 265 270
130 Glu Tyr Lys Ser Lys Gly Pro Gly Ala Asn Pro Val Ala Arg Val Ala
131 275 280 285
132 Trp Ser Arg Gln Leu Thr Thr Glu Gln Ala Ala Glu Phe Ser Arg Glu
133 290 295 300
134 Arg Phe Phe Ser Arg Ala Val Arg Gly Leu Ser Gly Gln Ala Asn Gln
135 305 310 315 320
136 Ala Val Gly Thr Ile Ala Trp Asp Asp Ala Gln Lys Lys Pro Asn Glu
137 325 330 335
138 Trp Tyr Ala Ser Ala Glu Ala Leu Arg Ile Ala Asp Asn Val Val Leu
139 340 345 350
140 Tyr Gln Arg Asp Ser Gly Gly Trp Pro Lys Asn Ile Asp Met Gly Lys
141 355 360 365
142 Pro Leu Asp Glu Lys Gly Arg Ala Gly Leu Leu Arg Val Arg Lys Lys
143 370 375 380
144 Asn Asp Ser Thr Ile Asp Asn Gly Ala Thr Tyr Thr Gln Leu Ser Phe
145 385 390 395 400
146 Leu Ala Arg Val Tyr Thr Ala Gln Lys Gln Glu Arg His Arg Glu Ser
147 405 410 415
148 Phe Leu Lys Gly Leu Asp Tyr Leu Leu Lys Ala Gln Tyr Pro Asn Gly
149 420 425 430
150 Gly Trp Pro Gln Phe Tyr Pro Asn Leu Asn Gly Tyr Tyr Lys His Ile
151 435 440 445
152 Thr Phe Asn Asp Asn Ala Met Ile Gly Val Met Lys Leu Leu Arg Asp
153 450 455 460
154 Val Ala Thr Ala Lys Pro Ala Tyr Ala Phe Val Asp Glu Ala Arg Arg
155 465 470 475 480
156 Thr Ser Ala Ala Lys Ala Val Glu Lys Gly Ile Glu Cys Ile Leu Lys
157 485 490 495
158 Thr Gln Val Val Val Asn Gly Arg Arg Thr Val Trp Cys Ala Gln His
159 500 505 510
160 Asp Glu Val Thr Leu Ala Pro Ala Pro Ala Arg Thr Phe Glu Leu Val
161 515 520 525
162 Ser Leu Ser Gly Gly Glu Ser Val Glu Ile Val Arg Phe Leu Met Ser

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163 530 535 540
 164 Ile Lys Asn Pro Ser Pro Ala Val Val Glu Ala Ile Glu Ser Ala Val
 165 545 550 555 560
 166 Ala Trp Phe Glu Gln Ser Gln Val Lys Asp Pro Ala Gly Lys Pro Ala
 167 565 570 575
 168 Trp Ala Arg Phe Tyr Glu Ile Gly Thr Asn Arg Pro Ile Phe Ala Gly
 169 580 585 590
 170 Arg Asp Gly Val Val Lys Tyr Asp Val Lys Gln Ile Asp Glu Glu Arg
 171 595 600 605
 172 Arg Lys Asn Tyr Ala Trp Tyr Val Asp Asp Ala Ala Lys Leu Leu Lys
 173 610 615 620
 174 Thr Asp Tyr Pro Glu Trp Lys Glu Lys Asn Ala Lys Asp Gln
 175 625 630 635
 177 <210> SEQ ID NO: 3
 178 <211> LENGTH: 1416
 179 <212> TYPE: DNA
 180 <213> ORGANISM: Unknown
 182 <220> FEATURE:
 183 <223> OTHER INFORMATION: Obtained from an environmental sample
 185 <400> SEQUENCE: 3
 186 atgtcgtaac gacgcgagtt cattagagat ctgttgactg gcggcgcaact gatcgccgtc 60
 187 gcgccgcgtc tgcgtcggtt tgcagcgagg gagaatccgt gggaaacgggt gatgcgttcg 120
 188 atcgtgaaac gcatcaagcg acctcggttc ccgtatcgca cggttgcgtt caccggatgtt 180
 189 ggagcgaaag gtgatggacg aacagattgc acgttggctt tccgtcgccg gatcgatcga 240
 190 tgcacgaacg ccgtgtgtgg gagagtagtt gttccaccgg gttcgatctt cactggcgcc 300
 191 attcatttga agagoaacgt cgacccat atctcagaag gtactacggt caagttcagc 360
 192 cagaacccga aagactacct gcccgttgg ttctcggtt gggaaaggcgt cgagggtgttc 420
 193 aactactcgc ctttatcta cgccttcgaa caaacgaaca ttgcgtac tggcaagggc 480
 194 acgctcaacg gtcaaaagcga caacgaacac tgggtggccct ggaacggacg tgccgcgtac 540
 195 ggctggaaag aaggatgag caatcagcgt cccgatcgaa atgcgttgcgtt tgcatggcc 600
 196 gaaaaagggtg tcccggttca ggagcgcatt tttgggtgagg gccattactt aaggccgcag 660
 197 ttcattcaac cttatcggtt tgagaacgtg ctgatcgaag gtgtcactat tcgaaactcg 720
 198 ccgatgtggg aaattcatcc ggtctctgc cggaatgtca tcgtccaaaa tggatcatc 780
 199 aacagtcatg gtccaaacaa cgacgggtgt aatcctgagt cgtgcacgga tggatgttgc 840
 200 aaggattgtg acttcgacac tgggtgacgt tgcgttcgca tcaagtcaagg ccgaaatgca 900
 201 gatggcgcc gactgaaggc tcctactgaa aacattatcg tgactgggtt tcgcatgaaa 960
 202 gatggtcacg ggggattac ggtgggcagc gagatttcgg gtgggggtgcg aaatctttc 1020
 203 gcatccaact gcccgtcga cagtccgaac ctggaccatg cattgcgggt taagaataac 1080
 204 gctatcggtt gcccgttgg gagaatctg cacttccgaa atatcgacgt cggcaagtgc 1140
 205 ggcacgcgg tgatcacat cgatttcaat tatgaggaag ggcgcgaaggg atcggttcacg 1200
 206 ccagtcgttc gtgattacac cgtcgatggc cttcgacca cggaaatgaa gtacgcgttc 1260
 207 gatgtgcagg gcttggcgac ggcgcgcgtc gtgaatctgc gtctaaccaa ctgcacatcttc 1320
 208 gacaatgtcg ctgaaggaaa tggatgtgaag aacgtaaagg atgcaactat cgagaatgtc 1380
 209 aaaaatcaatg gaaaaaggcgt tgatgcagtg ccgttag 1416
 211 <210> SEQ ID NO: 4
 212 <211> LENGTH: 471
 213 <212> TYPE: PRT
 214 <213> ORGANISM: Unknown
 216 <220> FEATURE:

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217 <223> OTHER INFORMATION: Obtained from an environmental sample
 W--> 219 <221> NAME/KEY: SIGNAL
 220 <222> LOCATION: (1)...(28)
 W--> 222 <221> DOMAIN
 223 <222> LOCATION: (81)...(476)
 224 <223> OTHER INFORMATION: Catalytic domain
 W--> 226 <400> 4
 227 Met Ser Ser Arg Arg Glu Phe Ile Arg Asp Leu Leu Thr Gly Gly Ala
 228 1 5 10 15
 229 Leu Ile Ala Val Ala Pro Arg Leu Ser Ala Ala Phe Ala Glu Glu Asn
 230 20 25 30
 231 Pro Trp Glu Thr Val Met Pro Ser Ile Val Lys Arg Ile Lys Arg Pro
 232 35 40 45
 233 Arg Phe Pro Met Arg Thr Phe Asp Leu Thr Glu Phe Gly Ala Lys Gly
 234 50 55 60
 235 Asp Gly Arg Thr Asp Cys Thr Leu Ala Phe Arg Arg Ala Ile Asp Arg
 236 65 70 75 80
 237 Cys Thr Asn Ala Gly Gly Arg Val Val Val Pro Pro Gly Ser Tyr
 238 85 90 95
 239 Leu Thr Gly Ala Ile His Leu Lys Ser Asn Val Asp Leu His Ile Ser
 240 100 105 110
 241 Glu Gly Thr Thr Val Lys Phe Ser Gln Asn Pro Lys Asp Tyr Leu Pro
 242 115 120 125
 243 Val Val Phe Ser Arg Trp Glu Gly Val Glu Val Phe Asn Tyr Ser Pro
 244 130 135 140
 245 Phe Ile Tyr Ala Phe Glu Gln Thr Asn Ile Ala Ile Thr Gly Lys Gly
 246 145 150 155 160
 247 Thr Leu Asn Gly Gln Ser Asp Asn Glu His Trp Trp Pro Trp Asn Gly
 248 165 170 175
 249 Arg Ala Ala Tyr Gly Trp Lys Glu Gly Met Ser Asn Gln Arg Pro Asp
 250 180 185 190
 251 Arg Asn Ala Leu Phe Ala Met Ala Glu Lys Gly Val Pro Val Gln Glu
 252 195 200 205
 253 Arg Ile Phe Gly Glu Gly His Tyr Leu Arg Pro Gln Phe Ile Gln Pro
 254 210 215 220
 255 Tyr Arg Cys Glu Asn Val Leu Ile Glu Gly Val Thr Ile Arg Asn Ser
 256 225 230 235 240
 257 Pro Met Trp Glu Ile His Pro Val Leu Cys Arg Asn Val Ile Val Gln
 258 245 250 255
 259 Asn Val Ile Ile Asn Ser His Gly Pro Asn Asn Asp Gly Cys Asn Pro
 260 260 265 270
 261 Glu Ser Cys Thr Asp Val Leu Ile Lys Asp Cys Asp Phe Asp Thr Gly
 262 275 280 285
 263 Asp Asp Cys Ile Ala Ile Lys Ser Gly Arg Asn Ala Asp Gly Arg Arg
 264 290 295 300
 265 Leu Lys Ala Pro Thr Glu Asn Ile Ile Val Thr Gly Cys Arg Met Lys
 266 305 310 315 320
 267 Asp Gly His Gly Gly Ile Thr Val Gly Ser Glu Ile Ser Gly Gly Val
 268 325 330 335

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Input Set : E:\56446-20096.40 (840WO1) SEQ LISTING.txt
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L:21 M:270 C: Current Application Number differs, Replaced Current Application Number
L:22 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:84 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:87 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:91 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:95 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:219 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:222 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:226 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:324 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:328 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:413 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:417 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:8
L:504 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:507 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10
L:511 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10
L:599 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:603 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12
L:691 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:694 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14
L:698 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14
L:794 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:16
L:898 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:902 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:18
L:985 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:989 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:20
L:1079 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1082 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:22
L:1086 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:22
L:1180 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1183 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24
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L:1277 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1280 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:26
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L:1389 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:28
L:1393 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:28
L:1397 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:28
L:1521 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1524 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:30
L:1528 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:30
L:1632 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1636 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:32
L:1734 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1737 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:34
L:1741 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:34
L:1823 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!

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L:1827 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:36
L:1924 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1927 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:38
L:1931 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:38
L:2047 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2050 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:40
L:2054 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:40
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L:2141 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:42
L:2145 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:42
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L:2372 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
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L:2550 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
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L:2640 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2644 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:52
L:2745 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2748 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:54
L:2752 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:54
L:2756 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:54
L:2760 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:54
L:2883 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2975 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:3067 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:3161 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:3255 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:3461 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:3598 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:3687 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:3779 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:3888 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:4024 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:4175 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:4294 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:4428 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:4628 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:4729 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:4851 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:4955 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:5044 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/501,442

DATE: 01/11/2006

TIME: 14:15:34

Input Set : E:\56446-20096.40 (840WO1) SEQ LISTING.txt
Output Set: N:\CRF4\01112006\J501442.raw

L:5131 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:5239 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:5385 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:5512 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:5618 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!